

Title (en)

Apparatus for sensing the amount of torsion between two parts

Title (de)

Vorrichtung zur Bestimmung des Masses der Verdrehung zwischen zwei Teilen

Title (fr)

Appareil pour détecter une valeur de torsion entre deux pièces

Publication

**EP 0953494 A3 20030205 (DE)**

Application

**EP 99107920 A 19990422**

Priority

DE 19819664 A 19980502

Abstract (en)

[origin: EP0953494A2] The measuring device has a precision device indicating the angular position of the relatively rotatable parts within the range between 0 and 360 degrees and a coarse device for indicating the number of full rotations between the relatively rotatable parts, employing a drive (40,45,70,71) and an absolute position sensor (23,73), for the position of a measuring element (76), displaced by the drive. The drive (40,45,70,71) uses a spiral slot (45) formed in a rotatable disc (40) attached to one part and a cooperating sliding pin (75) attached to the other part and mechanically coupled to the measuring element (76), for detecting its radial position corresponding to the number of full rotations.

IPC 1-7

**B62D 15/02**; G01D 5/12; G01D 5/26

IPC 8 full level

**B62D 15/02** (2006.01); **G01D 5/245** (2006.01); **G01D 5/347** (2006.01)

CPC (source: EP US)

**B62D 15/02** (2013.01 - EP US); **G01D 5/2454** (2013.01 - EP US); **G01D 5/347** (2013.01 - EP US); **G01D 2205/22** (2021.05 - EP)

Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 010, no. 247 (P - 490) 26 August 1986 (1986-08-26)
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DOCDB simple family (application)

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